freight car maintenance

March 31, 1980

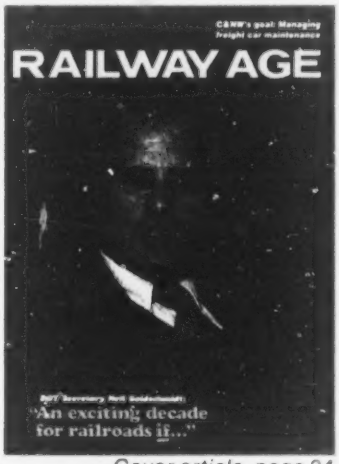
RAILWAY AGE

DOT Secretary Neil Goldschmidt:

"An exciting decade for railroads if..."

RAILWAY AGE
March 31, 1980

FEATURES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24 Goldschmidt: "An exciting decade for railroads *if*. . ."
In an exclusive interview with *Railway Age*, DOT Secretary Neil Goldschmidt discusses the changing federal role in railroading—and says future emphasis should be on providing incentive financing for productivity improvements.

37 Traffic Poll: DOT flunks shippers' test
Shipper interests are not being given enough weight in DOT policymaking, say most shippers surveyed. One complaint: DOT is too "carrier-oriented."

40 China Trade: Piggyback outflanks the Panama Canal
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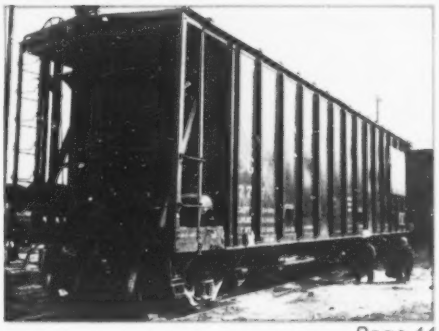
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COVER: DOT Secretary Neil Goldschmidt was photographed by Ray Cassidy during an interview with *Railway Age*.

A RAILWAY AGE SERVICE PAGE

REVENUES AND EXPENSES OF RAILWAYS

Fourth quarter figures of calendar year 1979

(Dollar figures are stated in thousands: i.e., with last three digits omitted)

		Operating revenues				Operating expenses															
						Maint. of way & structures			Maint. of equipment					Operating ratio		Income after fixed charges		Net Ry. operating income	Net income	
		Freight	Other	Total 1979	Total 1978	Total 1979	Total 1978	Deprec.	Total 1979	Total 1978	Deprec.	Total 1979	Total 1978	1979	1978	1979	1978		1979	1978
Amtrak	3 mos.	–	97,922	97,922	80,792	16,040	13,820	369	71,210	63,458	12,684	243,142	214,374	250.0	270.0	19,067	19,170	(145,220)	19,067*	19,170
	12 mos.	–	398,418	398,418	321,187	67,580	58,109	1,664	280,784	239,574	50,631	993,519	863,486	250.0	270.0	(20,911)	(22,968)	–	(20,911)	(22,968)
Atchison, Topeka & Santa Fe	3 mos.	510,613	403,479	522,555	414,540	81,110	64,565	3,547	112,577	88,689	16,692	470,917	362,853	80.1	87.5	51,151	50,860	43,856	43,088	34,818
	12 mos.	1,828,001	1,491,298	1,872,620	1,530,839	313,910	267,855	11,913	406,390	330,777	69,915	1,705,303	1,388,054	91.1	90.7	158,618	125,591		128,036	92,539
Baltimore & Ohio	3 mos.	232,810	10,523	243,333	229,140	37,624	36,711	1,746	56,312	57,415	8,124	218,864	203,900	89.9	89.0	25,924	20,851	59,121	22,524	27,169
	12 mos.	877,941	44,307	922,248	830,746	160,005	140,937	6,961	216,906	215,154	28,813	857,172	770,856	92.9	92.8	62,565	49,900	–	56,058	55,029
Bessemer & Lake Erie	3 mos.	27,200	4,537	31,737	29,569	4,063	3,482		6,898	5,523		24,170	19,055	76.2	64.5	8,994	10,690	1,982	3,412	4,046
	12 mos.	108,194	13,255	121,449	92,776	13,979	13,153		23,018	15,953		83,622	61,684	68.9	66.5	40,344	31,315		19,883	16,806
Boston & Maine	3 mos.	26,136	1,272	27,408	24,452	7,226	7,046	276	8,203	5,982	614	31,461	24,979	114.8	102.2	(3,669)	1,804	(3,993)	(3,906)	1,600
	12 mos.	103,134	4,915	108,049	91,490	28,603	20,096	1,106	31,322	24,568	2,485	119,153	93,500	110.3	102.2	(9,067)	349	–	18,515	(470)
Burlington Northern	3 mos.	668,425	19,652	688,077	527,840	137,901	126,862	5,085	147,704	120,271	16,432	652,467	520,136	94.8	98.5	45,161	17,657	40,236	49,779	19,810
	12 mos.	2,370,650	75,751	2,446,402	1,976,409	508,738	420,811	20,130	555,585	448,304	64,500	2,340,185	1,899,194	95.7	96.1	155,442	103,995		175,221	113,550
Chesapeake & Ohio	3 mos.	214,649	11,617	226,265	191,339	34,232	30,155	1,352	48,975	43,837	6,826	197,471	173,956	87.3	90.9	59,865	47,508	47,066	50,874	50,716
	12 mos.	768,050	44,586	812,635	672,110	137,009	121,048	5,343	183,896	160,923	24,107	746,494	660,390	91.9	98.3	137,470	59,243	–	118,129	68,865
Chicago & North Western	3 mos.	188,783	21,123	209,906	173,637	35,053	32,814	848	56,414	44,966	4,526	201,283	169,394	95.9	97.6	6,546	48	8,559	6,473	11
	12 mos.	669,472	77,971	747,442	652,563	150,634	129,760	2,998	213,514	174,133	18,008	766,363	650,835	102.5	99.7	(36,561)	(16,364)	(19,070)	(36,744)	(15,910)
Chicago, Milwaukee, St. Paul & Pac.	3 mos.	101,399	24,886	126,285	117,525	30,263	25,632	1,030	41,583	37,657	4,997	149,703	130,456	118.5	111.0	(21,781)	(12,641)	(23,368)	(21,781)	(12,641)
	12 mos.	392,269	63,178	455,446	447,552	105,437	89,261	4,285	172,507	154,568	18,520	574,361	521,952	126.1	116.6	(105,178)	(65,167)	(18,814)	(105,178)	(65,167)
Clinchfield	3 mos.	18,999	282	19,281	17,995	3,475	3,541	110	2,725	3,783	1,024	14,351	14,440	74.4	80.2	(235)	105	5,698		
	12 mos.	64,850	1,357	66,207	62,202	13,586	13,688	422	12,126	13,852	3,885	54,087	52,549	81.7	84.5	(74)	251			
Colorado & Southern	3 mos.	23,557	594	24,151	18,310	7,175	3,685	57	6,468	4,824	840	28,209	18,532	117.0	101.0	4,296	3,011	(2,113)	6,240	3,022
	12 mos.	85,687	1,994	87,681	64,549	25,700	16,172	220	21,578	19,748	2,831	96,274	67,296	110.0	104.0	10,822	3,289	(4,387)	15,029	3,374
Conrail	3 mos.	815,754	164,156	979,910	892,641	209,893	208,091	2,806	291,274	289,540	21,686	1,098,334	1,037,784	112.1	116.3	(122,104)	(141,283)	488,616	(122,451)	(141,932)
	12 mos.	3,155,433	615,043	3,770,466	3,310,637	848,556	817,254	10,315	1,122,633	1,107,118	74,551	4,260,552	3,990,607	113.0	120.5	(488,520)	(682,103)		(487,631)	(681,484)
Delaware & Hudson	3 mos.	27,972	506	28,478	22,420	5,312	4,098	154	8,509	7,038	404	28,855	24,501	101.3	109.3	(1,113)	2,950	(381)	1,113	2,950
	12 mos.	99,528	2,709	102,237	84,933	18,124	13,947	612	32,939	28,280	1,621	108,339	93,370	106.0	109.9	(8,637)	11,669	–	8,637	11,669
Denver & Rio Grande Western	3 mos.	66,629	1,103	67,732	57,812	11,452	10,534	593	10,282	8,898	2,748	56,742	46,148	83.78	79.82	9,889	11,573	8,813	7,677	7,958
	12 mos.	251,484	6,000	257,484	218,016	47,115	40,728	2,343	40,132	34,740	10,260	216,877	179,755	84.23	82.45	39,723	37,792	28,740	27,670	24,501
Detroit, Toledo & Ironton	3 mos.	19,761	1,061	20,822	20,828	3,129	3,309	132	6,464	5,507	451	20,511	18,820	98.5	90.4	150	1,801	331	158	2,206
	12 mos.	78,807	5,458	84,264	70,977	13,377	10,574	535	24,361	21,048	1,755	80,857	67,636	96.0	95.2	3,122	2,699	3,462	3,130	3,104
Duluth, Missabe & Iron Range	3 mos.	22,019	439	22,459	19,914	9,689	6,497	1,934	2,600	3,556	98	22,475	18,892	100.0	95.0	942	1,301	671	308	617
	12 mos.	93,402	3,407	96,809	82,658	28,172	23,546	3,230	11,111	9,716	2,073	79,556	70,578	82.0	85.0	19,527	13,131		9,498	6,322
Elgin, Joliet & Eastern	3 mos.	21,751	12,528	34,279	32,474	4,155	3,504	180	5,303	1,527	1,100	27,907	21,753	81.4	67.0	8,112	6,334	2,156	3,896	3,548
	12 mos.	83,836	62,004	145,843	126,206	16,132	14,659	716	23,423	14,856	4,382	112,909	94,722	77.4	75.1	38,395	28,831	14,525	19,987	15,038
Florida East Coast	3 mos.	22,243	746	22,989	19,748	5,362	4,351	228	3,641	3,343	853	17,885	15,841	77.8	80.2	13,612	4,806	1,940	9,683	4,077
	12 mos.	76,712	2,394	79,106	68,587	17,792	15,329	925	11,646	9,542	3,219	62,279	53,914	78.7	78.6	50,153	18,648		35,266	13,125
Ft. Worth & Denver	3 mos.	25,478	836	26,314	18,094	4,186	4,140	66	6,385	2,995	233	21,857	14,442	83.0	80.0	5,147	3,269	2,809	3,500	3,263
	12 mos.	90,713	2,514	93,227	63,457	13,702	14,599	263	22,066	14,614	528	76,153	57,449	82.0	91.0	18,064	5,774	13,147	14,138	5,765
Grand Trunk Western	3 mos.	50,810	2,759	53,569	48,290	5,526	4,704	420	13,294	7,675	1,200	51,123	46,291	95.4	95.9	3,101	5,129		7,791	5,129
	12 mos.	198,511	14,674	213,185	189,474	27,382	25,193	1,914	56,370	46,567	4,672	210,651	185,491	98.8	97.9	4,342	7,921		9,032	7,921
Illinois Central Gulf	3 mos.	223,095	18,739	241,834	201,524	46,338	37,812	1,681	64,742	52,595	7,983	239,412	196,700	99.0	97.6	(4,073)	20,049	(26,909)	(3,788)	19,481
	12 mos.	780,804	72,492	853,296	748,662	166,731	138,269	6,650	241,295	201,058	29,388	883,146	746,104	103.5	99.7	(32,720)	(301)	–	(32,072)	(1,972)

Kansas City Southern	3 mos.	59,199	3,717	62,916	51,461	11,034	11,859	266	15,571	12,827	3,261	55,458	47,186	88.1	91.7	7,547	5,021	5,063	5,134	3,146
	12 mos.	208,938	12,478	221,415	192,150	41,632	37,399	2,181	52,596	45,590	11,785	197,120	170,291	89.0	88.6	23,488	19,484		17,806	14,382
Long Island	3 mos.	4,662	72,602	77,263	24,939	18,009	22,034	838	19,624	16,893	1,425	90,393	89,940	117.0	72.0	(12,462)	34,970	(12,087)	(12,462)	34,970
	12 mos.	19,472	283,426	300,807	255,453	72,042	68,149	3,356	73,031	62,815	5,376	334,688	304,929	111.3	119.4	(34,017)	(49,875)	(29,733)	(34,017)	(49,875)
Louisville & Nashville	3 mos.	260,179	6,718	266,897	223,361	43,114	35,207	1,727	65,308	59,130	9,680	249,741	212,059	93.6	94.9	18,912	2,943	19,629	16,765	(2,151)
	12 mos.	945,916	27,323	973,239	824,429	166,022	129,110	6,347	248,250	229,600	39,201	926,410	803,728	95.2	97.5	20,294	(21,336)		28,779	(31,198)
Missouri-Kansas-Texas	3 mos.	46,452	2,028	48,479	36,007	8,393	7,113	280	13,376	9,961	628	45,978	36,121	94.8	100.3	1,087	(1,434)	3,707	2,292	159
	12 mos.	158,885	7,202	166,087	135,676	30,728	25,978	1,095	47,117	38,148	2,293	163,189	134,805	98.3	99.4	(1,923)	(3,695)	9,278	4,467	2,405
Missouri Pacific	3 mos.	372,887	9,639	382,525	317,193	46,320	45,008	2,422	88,562	73,259	13,810	326,472	264,303	85.4	83.3	48,119	47,157	47,361	37,059	30,314
	12 mos.	1,374,811	43,916	1,418,727	1,198,064	211,503	185,520	9,575	325,169	276,096	52,569	1,234,979	1,019,493	87.1	85.1	152,976	153,291	150,236	110,027	101,139
Norfolk & Western	3 mos.	359,278	14,246	373,524	324,606	49,560	52,269	3,309	71,595	62,400	13,848	287,048	268,102	76.9	82.6	96,374	86,952	180,593	57,142	98,508
	12 mos.	1,378,116	52,778	1,430,894	996,476	213,351	160,817	13,042	261,433	217,394	54,581	1,124,510	880,008	78.6	88.3	329,574	188,561	–	198,596	167,597
Pittsburgh & Lake Erie	3 mos.	20,252	1,469	21,721	20,469	2,929	2,410	71	1,533	1,293	1,100	14,977	13,227	69.0	64.6	3,401	6,211	16,599	2,973	3,808
	12 mos.	72,358	6,598	78,956	65,856	11,353	10,146	416	6,129	4,614	4,736	58,095	50,548	73.6	76.8	15,490	10,888		11,260	7,707
St. Louis-San Francisco	3 mos.	114,471	3,303	117,774	98,922	16,959	13,797	888	26,613	22,013	3,500	104,742	88,436	88.9	88.7	11,160	7,166	11,528	9,284	6,546
	12 mos.	424,982	13,405	438,387	388,230	72,033	64,933	3,381	97,886	84,591	14,251	401,738	349,693	91.6	90.1	24,500	22,594	–	19,753	20,617
St. Louis Southwestern	3 mos.	67,299	670	67,969	59,655	9,292	8,194	345	11,639	10,757	5,691	58,112	49,155	85.5	82.4	9,473	11,919	4,420	4,035	9,784
	12 mos.	258,499	2,603	261,102	226,338	40,313	38,917	1,347	42,367	37,444	22,170	218,195	189,018	83.6	83.5	44,121	37,500		36,777	32,898
Seaboard Coast Line	3 mos.	281,573	9,266	290,839	240,707	44,584	36,306	1,970	66,702	51,571	7,832	259,003	207,676	89.1	86.3	52,034	31,922	26,715	46,829	32,135
	12 mos.	1,015,652	34,095	1,049,747	910,509	175,234	139,630	7,730	246,265	214,943	30,911	949,241	313,163	90.4	89.3	136,831	66,265	–	135,466	69,354
Soo Line	3 mos.	84,394	2,384	86,779	68,756	13,610	13,629	318	15,199	12,947	1,869	67,165	58,608	77.4	85.2	19,477	9,796	28,586	12,019	6,533
	12 mos.	283,432	7,079	290,511	251,279	53,472	48,809	1,243	59,527	49,386	7,280	246,268	213,199	84.8	84.8	44,305	36,701		27,568	23,323
Southern	3 mos.	385,772	10,471	396,243	337,099	73,492	67,865	6,386	75,689	64,285	17,647	337,426	288,208	85.2	85.5	47,623	42,226	200,842	33,315	30,750
	12 mos.	1,426,998	40,272	1,467,270	1,260,671	269,072	230,860	21,287	271,477	233,796	67,679	1,208,917	1,044,360	82.4	82.8	223,117	181,060	–	160,622	127,319
Southern Pacific	3 mos.	488,444	12,373	500,817	429,168	64,300	56,886	4,589	135,899	121,475	20,364	494,383	405,452	98.7	94.5	17,578	31,048	2,209	8,941	30,596
	12 mos.	1,882,271	48,253	1,930,524	1,653,884	277,635	252,927	18,490	527,501	470,508	74,087	1,882,134	1,616,275	97.5	97.7	69,231	50,941		56,514	49,369
Union Pacific	3 mos.	465,686	8,085	473,771	397,363	68,019	59,192	2,582	88,546	74,418	21,443	401,044	325,649	84.6	82.0	60,855	64,485	57,764	45,888	42,744
	12 mos.	1,711,508	30,785	1,742,294	1,491,315	281,458	239,192	10,345	320,945	271,548	83,352	1,495,237	1,238,947	85.8	83.1	205,327	214,270	190,819	149,142	141,801
Western Maryland	3 mos.	20,956	844	21,800	16,894	3,219	2,997	124	1,316	(245)	1,352	14,146	11,214	64.9	66.4	7,446	6,810	13,667	4,886	4,518
	12 mos.	73,389	5,023	78,412	65,180	13,147	12,374	491	7,371	8,255	5,010	57,908	55,638	73.9	85.4	20,522	10,444		13,656	7,238
Western Pacific	3 mos.	42,881	849	43,730	–	5,956	–	54	9,276	–	1,248	41,844	–	95.7	–	2,791	–	1,952	2,480	–
	12 mos.	127,488	2,881	130,369	–	17,389	–	268	31,822	–	3,594	127,951	–	98.1	–	4,537	–	–	3,934	–

*Positive net income figure of $19,067 million derives from application of $178.9 million federal subsidies as "Other Income" less net operating deficit and fixed interest charges.

RAILWAY AGE ADVERTISING SALES

William J. Cavenagh, Director

New York, N.Y. 10013
350 Broadway (212) 966-7700
W. Arthur Cubbage, Regional Sales Mgr.

Chicago, Ill. 60602
29 E. Madison St. (312) 641-5815
Robert D. Bartley, Regional Mgr.
Glen A. Schlueter
Regional Sales Mgr.

Pittsburgh, Pa. 15237
3232 Babcock Boulevard
(412) 931-8552
Ronald M. Giallonardo,
Regional Sales Mgr.

Dallas, Tex. 75225
P.O. Box 25045
Preston Station
(214) 361-6972
Joseph Sanders

Santa Monica, CA 90403
2444 Wilshire Blvd
(213) 829-0281
Fred Klaner, Jr.
Philip O. Bowers

Sausalito, Cal. 94965
3030 Bridgeway Building
(415) 332-6750
Chris Vogler

Kent, BR6 0HE, England
Priory Gate House
Church Hill
Orpington
Kenneth J. Hendry
Tel: 0689 72632
Telex: 896228

2000 Hamburg 76, W. Germany
Siegfried D. Kamper
Stiegltzstrasse 6
Telephone: 299-1947

Paris 75016, France
Gerard Lasfargues
32 Rue Desbordes Valmore
Telephone: 504-9794

Genova 16121, Italy
Guido De Ferrari
Via A Vannucci 77
Telephone: 582865

1431 Buenos Aires, Argentina
M.F. Pipan & Associates
Andoneagui 2110-7°C
Phone: (01) 52-5473
Telex: 122065 SHEAF AR

Tokyo, Japan
C.H. Yiu, Managing Director, Sales
Kimuraya-Makino Bldg.
1-15-8 Shiba
Minato-ku
Telephone: 453-7361
Cable: SUNGAINSHIA TOKYO

QUARTERLY INDEXES

Railroad charge-out prices and wage rates (Average 1967 = 100)

(Charge-out indexes reflect the original purchase price of fuel, material, and supplies charged to railroad operating expense accounts on the first day of the quarter. The indexes are developed from quarterly spot price indexes by providing appropriate lags between time of purchase and time charged to operating expense accounts. Wage rate indexes are based on average straight time hourly rates for the first month of the quarter; wage supplements indexes are based on the average per straight time hour paid for payroll taxes, health and welfare benefits, vacations, holidays, and other allowances.)

District and group	Jan. 1977	Apr. 1977	July 1977	Oct. 1977	Jan. 1978a	Apr. 1978a	July 1978a	Oct. 1978a	Jan. 1979	Apr. 1979	July 1979	Oct. 1979	Jan. 1980
UNITED STATES:													
Fuel	380.4	381.1	395.3	399.0	403.1	405.9	405.0	407.2	419.7	469.6	603.2	739.7	818.1
Other materials & supplies	209.6	213.8	216.8	221.3	224.4	227.0	230.2	233.4	239.1	245.7	250.4	260.2	268.3
All material incl. fuel	252.1	260.6	266.5	270.9	274.3	277.0	279.2	282.1	289.8	307.5	345.6	387.9	414.4
Wage rates	219.4	220.0	231.3	232.8	240.8	248.2	254.8	259.7	267.5	267.5	285.6	285.6	294.0
Material prices & wages (and fuel)	229.6	232.7	242.3	244.7	251.3	257.2	262.4	266.7	274.5	280.0	304.4	317.8	331.7
Wages & supplements	241.6	243.1	253.6	254.7	267.2	272.9	278.1	281.9	294.1	294.1	311.4	311.4	321.6
Material prices, wages & supplements (excl. fuel)	235.4	237.4	246.4	248.2	258.9	263.9	268.8	272.4	283.4	284.7	299.5	301.4	311.2
Material prices, wages & supplements (incl. fuel)	244.5	247.9	257.1	259.2	269.2	274.0	278.4	282.0	292.9	297.8	320.8	332.4	347.1
EASTERN DISTRICT:													
Fuel	361.4	386.7	405.0	407.6	411.1	416.3	413.4	413.1	422.1	476.3	580.1	713.7	795.9
Other materials & supplies	204.4	208.5	210.2	213.4	216.2	217.2	221.5	226.0	230.2	239.6	243.0	252.9	260.8
All material incl. fuel	247.7	257.4	263.5	266.4	269.6	271.6	274.1	277.4	282.9	304.0	333.1	374.7	402.0
Wage rates	220.1	220.6	229.9	232.8	242.6	249.5	257.7	262.6	270.4	270.4	288.5	288.5	297.0
Material prices & wages (and fuel)	227.5	230.4	238.9	241.8	249.8	255.4	262.1	266.6	273.7	279.4	300.4	311.5	325.0
Wages & supplements	242.4	243.9	252.8	255.1	270.3	275.8	282.1	285.9	298.2	298.2	315.7	315.7	326.7
Material prices, wages & supplements (excl. fuel)	236.2	238.2	246.0	248.3	261.5	266.3	272.3	276.2	287.2	288.7	303.9	305.5	316.0
Material prices, wages & supplements (incl. fuel)	243.6	247.0	255.3	257.7	270.1	274.8	280.2	283.9	294.6	299.6	319.8	329.4	344.2
SOUTHERN DISTRICT:													
Fuel	332.0	354.3	369.3	372.2	375.6	375.3	373.0	374.7	389.1	428.4	509.3	622.7	695.7
Other materials & supplies	206.2	209.9	213.3	217.9	220.0	223.3	226.1	229.5	234.7	240.4	246.3	254.0	262.4
All material incl. fuel	239.7	248.6	255.0	259.2	261.6	263.9	265.4	268.4	276.0	290.7	316.8	353.2	378.9
Wage rates	218.9	219.4	233.6	233.2	239.6	248.9	255.5	260.4	268.3	268.3	286.5	286.5	295.0
Material prices & wages (and fuel)	226.0	229.4	240.9	242.1	247.1	254.0	258.9	263.1	270.9	275.9	296.8	309.2	323.6
Wages & supplements	241.9	243.5	256.3	255.9	265.9	273.2	278.5	282.4	294.3	294.3	311.8	311.8	324.3
Material prices, wages & supplements (excl. fuel)	234.2	236.2	247.0	247.7	256.0	262.4	267.2	271.0	281.4	282.7	297.7	299.3	310.9
Material prices, wages & supplements (incl. fuel)	241.2	245.0	255.9	256.9	264.6	270.4	274.6	278.2	288.8	293.2	313.3	324.3	340.7
WESTERN DISTRICT:													
Fuel	370.0	387.7	399.6	404.1	409.2	411.5	412.1	416.0	429.1	480.8	650.1	796.6	874.6
Other materials & supplies	213.9	218.5	221.9	227.2	230.8	233.7	236.5	239.2	244.7	251.6	256.3	266.8	274.8
All material incl. fuel	260.3	268.3	274.0	279.3	283.4	286.2	288.5	291.7	299.3	317.9	364.7	410.3	436.5
Wage rates	219.4	220.0	231.9	232.8	240.3	247.1	253.0	257.9	265.8	265.8	283.7	283.7	292.2
Material prices & wages (and fuel)	233.2	236.3	246.1	248.5	254.8	260.3	265.0	269.3	277.1	283.4	311.0	326.4	340.8
Wages & supplements	243.7	243.7	253.7	254.4	265.9	271.2	257.8	279.6	291.7	291.7	309.0	309.0	318.6
Material prices, wages & supplements (excl. fuel)	235.4	237.6	246.9	248.6	258.4	263.2	267.4	271.0	281.6	283.1	297.7	300.0	309.2
Material prices, wages & supplements (incl. fuel)	246.9	250.4	259.7	261.8	271.1	275.7	279.6	283.2	294.0	299.5	325.5	339.1	353.6

a—Wage rates in 1978 reflect the effects of retroactive pay increases applicable to time worked in 1978 but paid in 1979.

Spot prices of railroad fuel, material, and supplies (Average 1967 = 100)

(Spot price indexes reflect the price on the first day of the respective month of 65 major items of railroad purchases reported by 10 major railroads representing about two-thirds of total purchases by all Class I railroads.)

District and group	Jan. 1977	Apr. 1977	July 1977	Oct. 1977	Jan. 1978	Apr. 1978	July 1978	Oct. 1978	Jan. 1979	Apr. 1979	July 1979	Oct 1979	Jan. 1980
UNITED STATES:													
Fuel (diesel oil)	363.3	389.9	398.1	399.7	405.0	406.2	404.4	408.8	425.4	491.6	659.1	780.2	837.3
Forest products	217.0	225.2	229.4	234.0	240.0	240.9	250.8	258.6	264.5	272.3	286.2	297.2	321.6
Iron & steel prod.	223.7	224.1	230.1	233.1	235.4	242.5	245.8	252.4	263.0	268.7	277.5	286.9	305.3
Miscellaneous prod.	208.2	212.1	215.7	218.2	220.1	221.3	222.5	227.0	231.1	234.3	243.7	250.4	261.1
Total, excl. fuel	213.8	216.8	221.3	224.4	227.0	230.2	233.4	239.1	245.7	250.4	260.2	268.3	283.6
Total, incl. fuel	255.9	265.1	270.7	273.4	276.5	279.5	281.5	286.8	296.3	316.9	367.3	404.7	430.9
EASTERN DISTRICT:													
Fuel (diesel oil)	365.2	397.3	408.9	407.0	413.4	417.9	411.1	414.0	426.0	501.4	619.6	760.9	813.3
Forest products	208.4	212.4	217.9	220.9	224.8	225.4	234.2	237.5	251.0	254.6	267.0	274.8	280.9
Iron & steel prod.	213.5	213.5	218.8	221.6	221.6	229.9	234.1	240.1	251.6	257.1	266.0	274.0	290.6
Miscellaneous prod.	209.6	212.8	213.1	215.6	216.8	218.4	222.0	224.4	231.0	232.4	242.8	250.6	257.4
Total, excl. fuel	208.5	210.2	213.4	216.2	217.2	221.5	226.0	230.2	239.6	243.0	252.9	260.8	271.4
Total, incl. fuel	251.8	261.5	266.9	268.4	270.9	275.2	277.0	280.8	291.2	313.0	350.9	393.0	414.4
SOUTHERN DISTRICT:													
Fuel (diesel oil)	334.6	364.2	371.9	372.2	377.3	374.4	372.4	375.8	395.9	444.8	541.6	663.4	711.8
Forest products	225.7	227.4	232.2	230.4	240.2	242.0	255.4	258.7	266.5	276.9	288.4	299.7	309.7
Iron & steel prod.	225.4	226.2	232.6	236.2	238.0	245.5	247.3	254.3	263.1	369.3	277.4	288.0	304.5
Miscellaneous prod	199.2	205.9	209.0	211.1	213.7	212.1	213.5	217.8	219.9	224.0	230.2	235.9	247.1
Total, excl. fuel	209.9	213.3	217.9	220.0	223.3	226.1	229.5	234.7	240.4	246.3	254.0	262.4	275.3
Total, incl. fuel	243.3	253.7	259.3	260.7	264.6	265.8	267.8	272.4	282.0	299.4	331.3	370.2	392.7
WESTERN DISTRICT:													
Fuel (diesel oil)	372.3	395.4	401.8	405.4	410.5	412.1	412.1	417.9	434.9	503.6	723.0	833.2	895.5
Forest products	223.8	237.1	240.7	250.2	254.8	255.8	265.2	259.9	279.0	288.0	304.2	317.5	357.2
Iron & steel prod.	221.7	221.7	227.6	230.6	233.7	238.9	242.8	250.1	260.4	265.3	274.9	283.4	304.9
Miscellaneous prod.	212.1	215.9	220.9	223.8	226.2	227.9	228.4	234.9	236.9	240.8	250.5	257.3	269.5
Total, excl. fuel	218.5	221.9	227.2	230.8	233.7	236.5	239.2	244.7	251.6	256.3	266.8	274.8	293.3
Total, incl. fuel	264.4	273.1	278.6	282.5	286.0	288.7	290.5	296.5	305.9	327.3	391.5	426.0	456.2

Note: Based on prices as of first day of months shown.

Source: Economics and Finance Dept., AAR

Market

CARLOADINGS

Loadings of revenue freight in the week ended March 8 totaled 440,904 cars, according to the Association of American Railroads. This was a decrease of 15,250 cars, or 3.3%, compared with the corresponding week last year. Ton-miles generated by carloadings in the week ended March 8 are estimated at 18.3 billion, an increase of 6.5% above the corresponding week of 1979.

REVENUE FREIGHT CARLOADINGS

Commodity	Mar. 8 week	Mar. 1 week	Feb. 23 week
Grain	29,713	30,821	30,467
Farm products	3,882	4,164	4,257
Metallic ores	24,845	23,160	21,578
Coal	100,126	106,522	106,925
Crushed stone, gravel & sand	11,953	13,634	13,098
Nonmetallic minerals	13,661	14,286	13,344
Grain mill products	17,963	18,542	18,258
Food and kindred products	19,184	19,692	18,139
Primary forest products	19,059	21,139	21,427
Lumber & wood products (except furniture)	10,202	11,803	11,074
Pulp, paper & allied products	21,599	22,170	21,662
Chemicals & allied products	29,318	30,800	28,419
Petroleum products	6,072	6,365	6,446
Stone, clay & glass products	15,140	16,219	14,829
Coke	6,772	7,063	6,325
Metals & products	18,626	19,317	17,393
Motor vehicles & equipment	20,764	21,099	21,248
Waste & scrap materials	13,661	14,065	13,568
Forwarder & shipping assn. traffic	12,461	12,283	11,275
All other carloads	45,653	45,233	43,174
LCL traffic	250	298	307
Total cars loaded	440,904	458,975	443,213

	1980	1979
Cumulative total 10 weeks	**4,355,052**	**4,079,610**
Estimated revenue ton-miles (billions) 10 weeks	**171.5**	**153.6**

PIGGYBACK LOADINGS

U.S. piggyback loadings for the week ended March 1 totaled 34,680 cars (7.1% below the corresponding 1979 week) and 63,780 trailers or containers (down 4.5% from 1979). Cumulative volume for the first 9 weeks of 1980 is 297,073 (up 1.9% from 1979 and 537,077 ..ailers or containers (up 4.2% from 1979).

CANADIAN CARLOADINGS

Canadian railway revenue freight loaded in the seven-day period ended Feb. 14 totaled 4.8 million tons (up 19.9% from 1979). Cars loaded totaled 73,105 (up 15.8% from 1979). Cumulative loadings from 1979 were up to 28.4 million tons (up 4.6% from 1979).

● *Amtrak.*—Has signed a letter of intent with the Budd Co. for the purchase of 150 new intercity passenger cars estimated to cost $150 million (*RA*, Mar. 10, p. 11). A final agreement is still being negotiated, and some engineering details remain to be completed. The new cars will have body shells similar to the medium-distance Amfleet cars built earlier by Budd, but interiors and mechanical systems will be designed for long-distance service. The first of the new cars is to be delivered within 17 months, and the entire order is to be completed 10 months later.

● *Locomotive ownership and condition.*—Class I roads owned or leased 27,937 diesel-electric units on Jan. 1, an increase of 728 units over Jan. 1, 1979, according to AAR yearly summary.

	Owned or Leased Jan. 1		Stored Serviceable Jan. 1		Waiting Shops Jan. 1	
	1980	1979	1980	1979	1980	1979
Diesel-electric (units)	27,937	27,209	443	73	1,259	1,327
Steam (locomotives)	1	1	1	1	–	–
Electric (units)	103	139	–	–	–	16
Total	**28,041***	**27,349****	**444**	**74**	**1,259**	**1,343**

* Includes 82 slug units
** Includes 77 slug units

● *Freight cars and locomotives.*—The following report has been received from the AAR and ARCI:

DELIVERED

	January 1980	January 1979	December 1979
Built new by carbuilders	7,365	5,667	7,376
Built new in RR shops	470	381	708
Built new - total	7,835	6,048	8,084
Rebuilt	65	2	16
TOTAL DELIVERED	**7,900**	**6,050**	**8,100**
Locomotives	169	134	160

ORDERED

To be built new by carbuilders	6,327	14,736	7,538
To be built new in RR shops	700	500	1,000
To be built new - total	7,027	15,236	8,538
To be rebuilt	65	0	16
TOTAL ORDERED	**7,092**	**15,236**	**8,554**

ON ORDER AND UNDELIVERED

	February 1 1980	February 1 1979	January 1 1980
To be built new by carbuilders	109,776	98,388	112,749
To be built new in RR shops	6,682	6,430	6,452
To be built new - total	116,458	104,818	119,201
To be rebuilt	170	85	170
TOTAL ON ORDER	**116,628***	**104,903**	**119,371**
Locomotives	1,287	1,304	1,460

* Backlog reduced by 1,935 cars due to reporting revisions and cancellation of some orders.